

Title (en)

METHOD AND APPARATUS FOR ELECTRO-BIOMETRIC IDENTITY RECOGNITION

Title (de)

VERFAHREN UND VORRICHTUNG ZUR ERKENNUNG EINER ELEKTRO-BIOMETRISCHEN IDENTITÄT

Title (fr)

PROCEDE ET APPAREIL DE RECONNAISSANCE D'IDENTITE ELECTRO-BIOMETRIQUE

Publication

**EP 1525710 A4 20080213 (EN)**

Application

**EP 03771742 A 20030724**

Priority

- US 0323016 W 20030724
- US 39883202 P 20020729

Abstract (en)

[origin: WO2004012388A1] A method and apparatus for electro-biometric identity recognition or verification, producing and storing a first biometric signature that identifies a specific individual by forming the difference between a representation of the heartbeat pattern of the specific individual and a stored representation of common features of the heartbeat patterns of a plurality of individuals; after the producing step, obtaining a representation of the heartbeat pattern of a selected individual and producing a second biometric signature by forming the difference between the heartbeat pattern of the selected individual and the stored representation of common features of the heartbeat patterns of the plurality of individuals; and comparing the second biometric signature with the first biometric signature to determine whether the selected individual is the specific individual.

IPC 1-7

**H04L 9/32**

IPC 8 full level

**A61B 5/117** (2006.01); **G06F 21/00** (2006.01); **G06K 9/00** (2006.01); **G06T 7/00** (2006.01); **G07C 9/00** (2006.01); **H04L 9/32** (2006.01)

CPC (source: EP KR US)

**A61B 5/117** (2013.01 - EP); **A61B 5/35** (2021.01 - EP US); **G06F 18/00** (2023.01 - KR); **G06F 21/32** (2013.01 - EP US); **G06V 40/10** (2022.01 - US); **G07C 9/37** (2020.01 - EP US); **H04L 9/32** (2013.01 - KR); **A61B 5/7264** (2013.01 - EP US); **G06F 2218/00** (2023.01 - US); **G06F 2218/06** (2023.01 - EP); **G06F 2218/12** (2023.01 - US); **G06F 2218/14** (2023.01 - EP); **G06V 40/15** (2022.01 - US)

Citation (search report)

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- [A] BIEL L ET AL: "ECG analysis: a new approach in human identification", INSTRUMENTATION AND MEASUREMENT TECHNOLOGY CONFERENCE, 1999. IMTC/99. PROCEEDINGS OF THE 16TH IEEE VENICE, ITALY 24-26 MAY 1999, PISCATAWAY, NJ, USA,IEEE, US, 24 May 1999 (1999-05-24), pages 557 - 561, XP010340258, ISBN: 0-7803-5276-9
- See references of WO 2004012388A1

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